



DOE's Tribal Energy Program

A mission of DOE's Tribal Energy Program is to enhance human capacity through education and training. Building knowledge and skills is essential to developing, implementing, and sustaining efficiency and renewable energy development projects on tribal lands.

Renewable Energy and Energy Efficiency for Tribal Community and Project Development

COURSE OVERVIEW

This unique course will help tribal leaders and staff understand the range of energy efficiency and renewable energy opportunities that exist within your communities. The course will focus on 1) determining community energy values and objectives, 2) developing the outline of a tribal strategic energy plan, 3) exploring how energy efficiency and renewable energy technologies can be used to help meet tribal objectives, and 4) organizing for tribal community success. The course will also address the business and legal frameworks necessary for developing and sustaining renewable energy and energy efficiency projects. This workshop is designed to identify the business structures, financing methods, and legal and institutional frameworks needed to bring projects to reality.

This course will help tribal leaders, tribal staff, and Bureau of Indian Affairs (BIA) staff understand the complexities of tribally owned energy projects and provide tools for tribal project development.

Who Should Attend

This course is focused on tribal energy development and financing. It is aimed at **tribal leaders** and decision makers interested in economic development, job creation, and sustainable tribal communities; **tribal economic development, planning, and natural resources staff** responsible for strategic planning, project facilitation, project development, financing, and federal requirements; **federal staff** who assist tribes in all aspects of renewable energy project development and implementation; and **tribal entrepreneurs** seeking to expand business activities into renewable energy and energy efficiency technology sales and implementation.

Registration Fee

This workshop is offered **free of charge** to tribal members and BIA employees. Travel and per diem are the individual's responsibility. Lunches will be provided.

Course Registration

To register, send your contact information to David Glickson by fax (303-384-6568) or e-mail (david_glickson@nrel.gov). Provide your name, title, tribe or organization, telephone number, fax number, e-mail, and mailing address. Please specify which training session(s) you will attend.

WORKSHOP AGENDA

MONDAY – PLANNING, ENERGY EFFICIENCY, AND APPLIANCES

Registration starts at noon. The workshop starts at 1:00 pm.

Energy: The Global Picture

This session will provide definitions of energy terms and markets, and address energy in a changing world.

Strategic Energy Planning

This session will aid you in assessing your energy needs and how to achieve your long-term energy vision for your local community.

Energy Efficiency and Heating Options

Energy efficiency is the first step in a sustainable energy future. This session will address building design for reduced energy usage, weatherization, and the use of energy efficient lighting and appliances in your buildings. Ground source heat pumps and high-efficiency wood stoves will also be introduced as an option to reduce your heating costs.

Project Development Checklist: Step-by-Step Process to Complete a Project

This session presents a step-by-step process for the development of a tribal renewable energy project. It will include strategic planning, resource assessment, market analysis, power purchase agreements, interconnection studies, tribal codes, project incentives, and job training.

MONDAY EVENING (OPTIONAL)

Movie: to be announced. 7:00 pm

TUESDAY – RENEWABLE ENERGY TECHNOLOGIES AND CASE STUDIES

8:30 – 5:00

Renewable Energy Options

This session will present an overview of regional renewable energy resources, technology options, and project economics. Renewable energy options may include biomass, wind, solar, geothermal, or hydropower, depending on the region.

Tribal Case Studies

Several local case studies will highlight tribal renewable energy projects.

TUESDAY EVENING (OPTIONAL)

Movie: to be announced. 7:00 pm

WEDNESDAY – RENEWABLE ENERGY TECHNOLOGIES AND CASE STUDIES

8:30 – 5:00

Renewable Energy Options

This session will present an overview of regional renewable energy resources, technology options, and project economics. Renewable energy options may include biomass, wind, solar, geothermal, or hydropower, depending on the region.

Tribal Case Studies

Several local case studies will highlight tribal renewable energy projects.

WORKSHOP AGENDA (Continued)

WEDNESDAY – RENEWABLE ENERGY TECHNOLOGIES AND CASE STUDIES (Continued) **8:30 – 5:00**

Economics and Economic Analysis Tools

This session will demonstrate economic models used to make business development decisions.

Business Planning: Step-by-Step Overview of the Process

This session presents a step-by-step process for developing business plans needed to obtain financing for your tribal energy projects.

WEDNESDAY EVENING (OPTIONAL)

Funding and Financing Opportunities (to be confirmed). 7:00 pm

THURSDAY – PROJECT BUSINESS DEVELOPMENT AND PROJECT FINANCING **8:30 – 4:00**

Tribal Business Structures

This session provides an introduction to business development, including organizational structures, business models, positioning within the market, growth strategies, and more. Several business options for tribal development will be presented with a focus on corporations and limited liability companies (LLCs), and the pros and cons of each.

Legal Structures

This session will address various legal structures for project development (leasing options, joint ventures, and flip structures) and include presentations from several federal agencies on federal policies and the procedures necessary to complete a project. The topics covered will include Tribal Energy Resource Agreements (TERAs), 25 CFR Part 162 (Leases and Permits), National Environmental Policy Act (NEPA) compliance, Federal Energy Regulatory Commission (FERC) regulation and compliance, and the time frame associated with each.

Commercial Leases

This session will explore Indian Mineral Development Act (IMDA) commercial leases, including the process and approvals required.

Funding and Financing Opportunities through Federal Loans and Grants

In this session, several financing options will be presented including loan guaranty programs (available through the Department of Agriculture and the Department of the Interior), bank loans, grants, and bonds. Included will be a check list that several lenders and investors use as part of their "due diligence" for a project.

State Policies and Programs

This session provides information on state incentives and resources to assist in your tribal energy project.

Roundtable Discussion

This interactive forum will address the findings and recommendations of the training participants.

For more on the Tribal Energy Program, see www.eere.energy.gov/tribalenergy